



Material data sheet

PrimePart® DC for EOSINT P

Application

Technical parts with high toughness and excellent impact resistance.

Technical data

Material properties

Average grain size	Laser diffraction	53	µm
Bulk density	DIN 53466	0.41	g/cm ³
Density of laser-sintered part	EOS-method	0.96	g/cm ³

Mechanical properties*

Tensile modulus	DIN EN ISO 527	1550	MPa
Tensile strength	DIN EN ISO 527	48	MPa
Elongation at break	DIN EN ISO 527	48	%
Flexural modulus	DIN EN ISO 178	1420	MPa
Flexural strength	DIN EN ISO 178	55	MPa

Thermal properties

Melting point	DIN 53736	186	°C
Crystallisation point	DIN 53736	155	°C

* The mechanical properties depend on the x-, y-, z-position and on the exposure parameters used.

The data are based on our latest knowledge and are subject to changes without notice. They do not guarantee properties for a particular part and in a particular application.